BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work:- Annual maintenance of street lights Package - D 2 In Shettyhalli surrounding area ward no 12

Work Code No:- 012-22-000005

Agreement No:EE/Ele/DZ/TEND/AGR/000010/2022-23 Date:31.03.2022

W.O. No and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000002/2022-23 Date:04-04-2022

Estimate Amount Rs. 2900000.00

Administrative Sanction No EE/(Elec)/DZ/TEND/AS/11/2021-22 Date:21-03-2022

Technical Sanction No EE/(Elec)/DZ/TEND/TS/128/2021-22 Date 06-01-2022

Name of Contractor of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 Page No: date:

Bill NO :- 2nd RA Bill Bill Period :- 1/09/2022 to 31/10/2022

Sl. No.	Description	Unit	Period 2 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system	Each	2	353	685.45	57.12	40326.72
	No of complaints attended for the period of 1/09/2022 to 31/10/2022						
	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system	Nos	2	68	756.29	63.02	8570.72
	No of complaints attended for the period of 1/09/2022 to 31/10/2022 16 No's						
	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system	Each	2	1884	1019.41	84.95	320091.6
	No of complaints attended for the period of 1/09/2022 to 31/10/2022 565 No's						
	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system	Each	2	132	1118.08	93.17	24596.88
	No of complaints attended for the period of 1/09/2022 to 31/10/2022 12 No's						

EE (Ele) DZ 03/11/2022

03/11/2022

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Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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	Operation and Maintenance of LED street lighting system including replacement of damaged, failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technical conforming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank, furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 36 Watt LED Pack/ street lighting system.	Each	2	5	880.01	73.33	733.
	No of complaints attended for the period of 1/09/2022 to 31/10/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged, failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technical conforming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank, furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 60 Watt LED street Light lighting system.	Each	2	182	1147.43	95.61	34802.04
	No of complaints attended for the period of 1/09/2022 to 31/10/2022 — 172No's						
	Operation and Maintenance of LED street lighting system including replacement of damaged, failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technical conforming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank, furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	2	55	1377.66	114.80	12628.00
	No of complaints attended for the period of 1/09/2022 to 31/10/2022 — 195 No's						
	Operation and Maintenance of LED street lighting system including replacement of damaged, failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technical conforming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank, furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 Watt LED street light lighting system	Nos	2	0	1575.5	131.29	0
	No of complaints attended for the period of 1/09/2022 to 31/10/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged, failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technical conforming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise ,street wise street light data bank, furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 Watt LED street light /High mast lighting system.	Nos	2	0	1871.51	155.96	0
	No of complaints attended for the period of 1/09/2022 to 31/10/2022						
	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Moulded Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having Rubber Gasket, Rubber added gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter on suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	5127	5127.00	0

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SRR No.

Supply and fixing of 4pole power contactor with NO/NC contacts on existing pwd L/panel board using necessary bolts, nuts, washers and wiring etc , complete with AC 3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	7200	7200 00	0
Supplying and fixing miniature circuit breakers on existing MCB distribution Boards using necessary fixing materials and 'C' Type curve, Indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 Amps SP	Each	0	0	723	723.00	0
Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts nuts and washers	Each	0	0	4030	4030 00	
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade,	Mtr	0	0	70	70.00	
Supplying tinned copper lugs and crimping and wiring to terminal point for wire	Each	0	0	7	7.00	
TOTAL						441749.00
Add GST 12 % on item no 10 to 15						0.00
TOTAL Rs						441749.00
Fine imposed for non burning of street lights For the period of 01/9/2022 to 30/10/2022						3800.00
As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						8834.51
GRAND TOTAL						429114.00

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

3. Item no ① to ⑮ are checked and found correct.

Junior Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

ASST. EXECUTIVE ENGINEER (Ele)
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Dasarahalli Zone, Bangalore

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